1	CLAIMS
2	We claim:
3	
4	<ol> <li>A controller for use with a capacitive mat, the controller configured to:</li> </ol>
5	selectively electrically energize a first node of the capacitive mat in response to
6	an input;
7	wait for a first predetermined period of time; and
8	electrically energize a second node of the capacitive mat after the first
9	predetermined period time.
10	
1	2. The controller of claim 1, and wherein the controller is further configured
12	to:
13	wait for a second predetermined period of time; and
14	electrically de-energize the first node and the second node after the second
15	predetermined period of time.
16	
17	3. The controller of claim 2, and wherein the controller is further configured to
18	electrically couple the first node and the second node to a ground reference potentia
19	during the electrically de-energizing.
20	
21	4. The controller of claim 1, and wherein the controller is further configured to
22	receive the input from an imaging apparatus controller.
23	
24	5. The controller of claim 1, and wherein the controller is further configured
25	to:
26	electrically energize the first node at a predetermined positive potential; and
27	electrically energize the second node at a predetermined negative potential.
28	
29	6. A controller for use with a capacitive mat, the controller configured to:
30	selectively electrically energize a first node of the capacitive mat at a
31	time-increasing positive potential in response to an input; and
32	electrically energize a second node of the capacitive mat at a time-increasing
13	negative potential contemporaneous with the electrically energizing the first node

1	7. The controller of claim 6, and wherein the controller is further configured
2	to:
3	electrically energize the first node at the time-increasing positive potential and the
4	second node at the time-increasing negative potential for a predetermined period of
5	time; and
6	electrically de-energize the first node and the second node after the
7	predetermined period of time.
8	
9	8. The controller of claim 7, and wherein the controller is further configured to
10	electrically couple the first node and the second node to a ground reference potential
11	during the electrically de-energizing.
12	
13	9. The controller of claim 6, and wherein the controller is further configured to
14	receive the input from an imaging apparatus controller.
15	
16	10. The controller of claim 6, and wherein the controller is further configured
17	such that each of the time-increasing positive potential and the time-increasing negative
18	potential includes an initial step-change in electrical potential relative to a ground
19	reference potential.
20	
21	11. A controller for use with a capacitive mat, the controller configured to:
22	selectively electrically energize a first node of the capacitive mat at a first positive
23	potential and a second node of the capacitive mat at a first negative potential in
24	response to an input;
25	wait for a first predetermined period of time; and
26	electrically energize the first node at a second positive potential and the second
27	node at a second negative potential after the first predetermined period of time.
28	
29	12. The controller of claim 11, and wherein the controller is further configured
30	to:
31	wait for a second predetermined period of time; and
32	electrically de-energize the first node and the second node after the second
33	predetermined period of time.

1	13. The controller of claim 12, and wherein the controller is further configured
2	to couple the first node and the second node to a reference potential during the
3	electrically de-energizing.
4	·
5	14. The controller of claim 11, and wherein the controller is further configured
6	to receive the input from an imaging apparatus controller.
7	
8	15. A sheet media support apparatus, comprising:
9	a capacitive mat including electrical first and second nodes, the capacitive mat
10	configured to electrically attractingly support a sheet media; and
11	a controller coupled to the first and second nodes of the capacitive mat and
12	configured to:
13	selectively electrically energize the first node at a first predetermined
14	potential in response to an input;
15	wait for a first predetermined period of time; and
16	electrically energize the second node at a second predetermined potential
17	after the first predetermined period of time.
18	
19	16. The apparatus of claim 15, and wherein the capacitive mat includes:
20	a first plurality of electrical conductors electrically coupled to the first node; and
21	a second plurality of electrical conductors electrically coupled to the second node.
22	
23	17. The apparatus of claim 15, and wherein the capacitive mat defines a
24	substantially planar sheet media support surface.
25	
26	18. The apparatus of claim 15, and wherein the capacitive mat defines a
27	curved sheet media support surface.
28	
29	19. The apparatus of claim 15, and wherein the controller is further configured
30	such that the first predetermined potential is positive relative to the second
31	predetermined potential.
32	
33	20. The apparatus of claim 15, and wherein the controller is further configured
34	to receive the input from an imaging apparatus controller.

1	21.	The apparatus of claim 15, and wherein the controller is further configured
2	to:	
3	wait	for a second predetermined period of time; and
4	elec	trically couple the first node and the second node to a ground reference
5	potential aft	ter the second predetermined period of time.
6		
7	22.	A sheet media support apparatus, comprising
8	a ca	pacitive mat including electrical first and second nodes, the capacitive mat
9	configured	to electrically attractingly support a sheet media; and
10	a co	entroller coupled to the first and second nodes of the capacitive mat and
11	configured	to:
12		selectively electrically energize the first node at a step-change positive
13	pote	ntial and the second node at a step-change negative potential in response to
14	an ir	nput; and
15		electrically energize the first node at a time-increasing positive potential
16	and	the second node at a time-increasing negative potential.
17		
18	23.	The apparatus of claim 22, and wherein the capacitive mat includes:
19	a firs	st plurality of electrical conductors electrically coupled to the first node; and
20	a se	cond plurality of electrical conductors electrically coupled to the second node.
21		
22	24.	The apparatus of claim 22, and wherein the capacitive mat defines a
23	substantially	y planar sheet media support surface.
24		
25	25.	The apparatus of claim 22, and wherein the capacitive mat defines a
26	curved shee	et media support surface.
27		
28	26.	The apparatus of claim 22, and wherein the controller is further configured
29	to:	
30	elect	rically energize the first node at the time-increasing positive potential and the
31	second nod	le at the time-increasing negative potential for a predetermined period of
32	time; and	
33	elect	rically couple the first node and the second node to a ground reference
34	potential aft	er the predetermined period of time.

1	27. The apparatus of claim 22, and wherein the capacitive mat and t
2	controller are each further configured to cooperate with an imaging apparatus.
3	
4	28. A sheet media support apparatus, comprising:
5	a capacitive mat including electrical first and second nodes, the capacitive materials and second nodes.
6	configured to electrically attractingly support a sheet media; and
7	a controller coupled to the first and second nodes of the capacitive mat a
8	configured to:
9	selectively electrically energize the first node at a first predetermin
10	positive potential and electrically energize the second node at a fi
11	predetermined negative potential in response to an input;
12	wait for a first predetermined period of time; and
13	electrically energize the first node at a second predetermined positi
14	potential and electrically energize the second node at a second predetermin
15	negative potential after the first predetermined period of time.
16	
17	29. The apparatus of claim 28, and wherein the capacitive mat includes:
18	a first plurality of electrical conductors electrically coupled to the first node; and
19	a second plurality of electrical conductors electrically coupled to the second noc
20	
21	30. The apparatus of claim 28, and wherein the capacitive mat defines
22	substantially planar sheet media support surface.
23	
24	31. The apparatus of claim 28, and wherein the capacitive mat defines
25	curved sheet media support surface.
26	
27	32. The apparatus of claim 28, and wherein the controller is further configuration.
28	such that the second predetermined positive potential is of greater magnitude than t
29	first predetermined positive potential relative to a ground reference potential.
30	
31	33. The apparatus of claim 28, and wherein the controller is further configure
32	to receive the input from an imaging apparatus controller.

1	34.	The apparatus of claim 28, and wherein the controller is further configured
2	to:	
3	wait	for a second predetermined period of time; and
4	elect	rically couple the first node and the second node to a ground reference
5	potential aft	er the second predetermined period of time.
6		
7	35.	A method of controlling a capacitive mat, comprising:
8	rece	iving an input
9	elec	rically energizing a first node of the capacitive mat at a first predetermined
10	potential in	response to receiving the input;
11	waiti	ng for a first predetermined period of time; and
12	elec	rically energizing a second node of the capacitive mat after the first
13	predetermir	ned period of time.
14		
15	36.	The method of claim 35, and further comprising:
16	waiti	ng for a second predetermined period of time; and
17	elect	rically de-energizing the first node and the second node after the second
18	predetermir	ned period of time.
19		
20	37.	The method of claim 36, and further comprising electrically coupling the
21	first node a	nd the second node to a ground reference potential during the de-energizing.
22		
23	38.	The method of claim 35, and wherein electrically energizing the first node
24	includes el	ectrically energizing the first node at a positive predetermined potential
25	relative to the	ne second predetermined potential.
26		
27	39.	The method of claim 35, and further comprising electrically attractively
28	supporting a	a sheet media using the capacitive mat.
29		
30	40.	The method of claim 35, and wherein receiving the input includes
31	receiving th	e input from a controller of an imaging apparatus.

1	41. A method of controlling a capacitive mat, comprising:
2	receiving an input;
3	electrically energizing a first node of the capacitive mat at a time-increasing
4	positive potential in response to receiving the input; and
5	electrically energizing a second node of the capacitive mat at a time-increasing
6	negative potential contemporaneous with the electrically energizing the first node.
7	
8	42. The method of claim 41, and further comprising:
9	continuing electrically energizing the first node and the second node for a
10	predetermined period of time; and
11	electrically de-energizing the first node and the second node after the
12	predetermined period of time.
13	
14	43. The method of claim 41, and wherein electrically de-energizing the first
15	node and the second node includes electrically coupling the first node and the second
16	node to a reference potential.
17	
18	44. The method of claim 41, and wherein receiving the input includes
19	receiving the input from a controller of an imaging apparatus.
20	
21	45. The method of claim 41, and further comprising electrically attractively
22	supporting a sheet media using the capacitive mat.
23	
24	46. The method of claim 41, and wherein:
25	electrically energizing the first node includes electrically energizing the first node
26	at a step-change positive potential prior to the time-increasing positive potential in
27	response to receiving the input; and
28	electrically energizing the second node includes electrically energizing the
29	second node at a step-change negative potential prior to the time-increasing negative
30	potential.

1	47. A method of controlling a capacitive mat, comprising:
2	receiving an input;
3	electrically energizing a first node of the capacitive mat at a first positive potential
4	and a second node of the capacitive mat a first negative potential in response to
5	receiving the input;
6	waiting for a first predetermined period of time; and
7	electrically energizing the first node at a second positive potential and the second
8	node at a second negative potential after the first predetermined period of time.
9	
10	48. The method of claim 47, and further comprising:
11	waiting for a second predetermined period of time; and
12	electrically de-energizing the first node and the second node after the second
13	predetermined period of time.
14	
15	49. The method of claim 48, and wherein electrically de-energizing the first
16	node and the second node includes electrically coupling the first node and the second
17	node to a reference potential.
18	
19	50. The method of claim 47, and wherein receiving the input includes
20	receiving the input from an imaging apparatus controller.
21	
22	51. The method of claim 47, and further comprising electrically attractively
23	supporting a sheet media using the capacitive mat.
24	
25	52. An apparatus for supporting a sheet media, comprising:
26	capacitive mat means for electrically attractingly supporting the sheet media; and
27	mat controller means for selectively electrically energizing the capacitive mat
28	means in a predetermined sequential order in response to an input.
29	
30	53. The apparatus of claim 52, and wherein the capacitive mat means
31	includes:
32	an electrical first node and an electrical second node;
33	a first plurality of electrical conductors electrically coupled to the first node; and
34	a second plurality of electrical conductors electrically coupled to the second node.

54. The apparatus of claim 52, and wherein the mat controller means is configured such that electrically energizing the capacitive mat means in the predetermined sequential order includes at least one of a step change increase in electrical potential, a period of time-increasing electrical potential, or a period of substantially constant electrical potential.

55. The apparatus of claim 52, and wherein the mat controller means is configured to receive the input from an imaging apparatus controller.